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UNITED STATES DISTRICT COURT  
NORTHERN DISTRICT OF CALIFORNIA  
OAKLAND DIVISION

INTERTRUST TECHNOLOGIES  
CORPORATION, a Delaware corporation,

Plaintiff,

v.

MICROSOFT CORPORATION, a  
Washington corporation,

Defendant.

AND RELATED CROSS-ACTION.

Case No. C 01-1640 SBA (MEJ)

Consolidated with C 02-0647 SBA (MEJ)

**MICROSOFT'S NOTICE OF  
MOTION, MOTION AND  
MEMORANDUM IN SUPPORT OF  
ITS MOTION FOR PARTIAL  
SUMMARY JUDGMENT OF  
INVALIDITY OF THE ASSERTED  
CLAIMS OF THE '181 PATENT  
(ANTICIPATION)**

Date: March 30, 2004  
Time: 1:00 p.m.  
Judge: Sandra B. Armstrong

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## I. INTRODUCTION

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1 consider Microsoft's "System Management Server (SMS)" product, versions 2.0 and later, as the  
2 only claims asserted against this product are from the '181 patent.

3 **II. LEGAL STANDARD**

4 **A. Legal Standard For Summary Judgment**

5 The Federal Circuit has repeatedly emphasized that "[s]ummary judgment is as  
6 appropriate in a patent case as it is in any other case." *Desper Prods. v. QSound Lab.*, 157 F.3d  
7 1325, 1332 (Fed. Cir. 1998) (citing *C.R. Bard, Inc. v. Advanced Cardiovascular Systems, Inc.*,  
8 911 F.2d 670, 672 (Fed. Cir. 1990); *See Avia Group International, Inc. v. L.A. Gear California,*  
9 *Inc.*, 853 F.2d 1557, 1561 (Fed. Cir. 1988); *Spectra Corp. v. Lutz*, 839 F.2d 1579, 1581 n. 6 (Fed.  
10 Cir. 1988); *Brenner v. United States*, 773 F.2d 306, 307 (Fed. Cir. 1985). "Summary judgment is  
11 appropriate when there are no issues of material fact and the moving party is entitled to judgment  
12 as a matter of law." *Liquid Dynamics Corp. v. Vaughan Co., Inc.*, 2004 U.S. App. LEXIS 1065,  
13 \*13 (Fed. Cir. Jan. 23, 2004); *See Fed. R. Civ. P. 56(c)*. A fact is material if it "might affect the  
14 outcome of the suit under the governing law." *Anderson v. Liberty Lobby, Inc.* 477 U.S. 242, 248  
15 (1986).

16 "With respect to whether there is a genuine issue, the court may not simply accept  
17 a party's statement that a fact is challenged. (citations omitted) The party opposing the motion  
18 must point to an evidentiary conflict created on the record at least by a counter statement of a fact  
19 or facts set forth in detail in an affidavit by a knowledgeable affiant. Mere denials or conclusory  
20 statements are insufficient." *Barmag Barmer Maschinenfabrik AG v. Murata Machinery, Ltd.*,  
21 731 F.2d at 835-36 (Fed. Cir. 1984).

22 **B. Legal Standard For Patent Invalidity**

23 An individual is only entitled to a patent for an invention that is novel at the time  
24 the invention was made. Thus, a defendant in a patent infringement action is entitled to summary  
25 judgment of invalidity if it establishes by clear and convincing evidence that the applicant failed  
26 to meet the requirements of patentability. *WMS Gaming Inc. v. International Game Tech.*, 184  
27 F.3d 1339, 1355 (Fed. Cir. 1999). Microsoft moves for summary judgment of invalidity based on  
28 35 U.S.C. § 102(b), which states that an individual is not entitled to a patent if their claimed

1 invention "was patented or described in a printed publication in this or a foreign country . . . more  
2 than one year prior to the date of the application for patent in the United States." Summary  
3 judgment should be granted where the defendant demonstrates that each element of each  
4 challenged claim is disclosed in a single prior art reference. *See Brown v. 3M*, 265 F.3d 1349,  
5 1351 (Fed. Cir. 2001).

6 As stated above, Microsoft's motion is based upon the September 6, 1996  
7 publication of PCT publication WO96/27155. InterTrust's '181 patent was filed on November 6,  
8 1997. The PCT publication, therefore, was published a year and two months prior to the filing  
9 date of the '181 patent and, as will be shown below, discloses all elements of the asserted claims  
10 of the '181 patent. Thus, the PCT publication is invalidating prior art under 35 U.S.C. § 102(b),  
11 as the purported invention of the asserted claims of the '181 patent was "described in a printed  
12 publication in . . . a foreign country . . . more than one year prior to the date of the application  
13 for" the '181 patent in the United States.

### 14 **III. ARGUMENT**

15 The asserted claims of InterTrust's '181 patent recite a method for sending  
16 selected digital information to selected recipients, using "rules and controls" to govern the use of  
17 that information. The recipients are permitted to use the digital information in a controlled  
18 environment that enforces the associated "rules and controls."

19 As shown below, the PCT publication discloses all of the elements with parallel  
20 functionality as those recited in the asserted claims of the '181 patent.<sup>3</sup>

#### 21 **A. The PCT Publication Anticipates Claim 91 Of The '181 Patent**

22 Claim 91 of the '181 patent is the narrowest asserted independent claim.  
23 Demonstration of how the PCT publication anticipates claim 91 will, therefore, simplify the  
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27 <sup>3</sup> The asserted claims of the '181 patent are claims 48, 59, 61, 62, 63, 70, 72, 75, 89, 91, 104, 114,  
28 117, and 131.

1 analysis of how the PCT publication anticipates the broader asserted independent claim 48.<sup>4</sup>

2 Claim 91 states as follows:

3 91. A method for securely narrowcasting selected digital information to specified  
4 recipients including:

5 (a) receiving selected digital information in a secure container at a  
6 receiving appliance remote from a sending appliance, the receiving  
7 appliance having a secure node, the receiving appliance being associated  
8 with a receiving entity;

9 (i) the digital information having been selected at least in part based  
10 on the digital information's membership in a first class,

11 (ii) the first class membership having been determined at least in  
12 part using rights management information;

13 (b) the receiving entity having been selected at least in part based on said  
14 receiving entity's membership in a second class,

15 (i) the second class membership having been determined at least in  
16 part on the basis of information derived from the recipient entity's  
17 creation, use of, or interaction with rights management information;

18 (c) receiving at the receiving appliance rules and controls in a secure  
19 container,

20 (i) the rules and controls having been associated with the selected  
21 digital information; and

22 (d) using at the receiving appliance the selected digital information in  
23 accordance with the rules and controls,

24 (i) the rules and controls being enforced by the receiving appliance  
25 secure node.

26 The sections that follow demonstrate, on an element-by-element basis, that  
27 the PCT publication anticipates claim 91.

28 1. Claim 91 - Preamble

Claim Language	A method for securely narrowcasting selected digital information to specified recipients including:
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<sup>4</sup> Dependent claims that reference claim 91 are addressed individually in the sections following the claim 91 analysis. Dependent claims that reference claim 48 follow the analysis of that claim.

1 A preamble limits the claimed invention if it "recites essential structure or steps, or  
2 if it is 'necessary to give life, meaning, and vitality' to the claim." *Smithkline Beecham Corp. v.*  
3 *Excel Pharms., Inc.*, 2004 U.S. App. LEXIS 1323, \*13 (Fed. Cir. Jan. 29, 2004) (citing *Catalina*  
4 *Mktg. Int'l v. Coolsavings*, 289 F.3d 801, 808 (Fed. Cir. 2002)). In this case, the preamble of  
5 claim 91 recites the step of "narrowcasting" which is necessary to give life, meaning, and vitality  
6 to claim 91. This functionality is not otherwise recited in the body of claim 91, yet it is the  
7 subject of the alleged invention of the '181 patent. InterTrust chose to use both the preamble and  
8 the body of claim 91 to define the subject matter of the claimed invention. When limitations in  
9 the body of the claim rely upon and derive antecedent basis from the preamble, then the preamble  
10 may act as a necessary component of the claimed invention. *See, e.g., Electro Sci. Indus. v.*  
11 *Dynamic Details, Inc.*, 307 F.3d 1343, 1348 (Fed. Cir. 2002); *Rapoport v. Dement*, 254 F.3d  
12 1053, 1059 (Fed. Cir. 2001). Here, the preamble of claim 91 is limiting.

13 The preamble recites a method for narrowcasting selected digital information to  
14 specified recipients. The term "narrowcast" has an ordinary and customary meaning, which is  
15 "[t]o transmit data to selected individuals. Contrast with *broadcast*." Alan Freedman, *Computer*  
16 *Desktop Encyclopedia, 9th Edition*, McGraw Hill (2001) (hereafter "Computer Desktop  
17 Encyclopedia") at 651.<sup>5</sup> Although the '181 specification fails to define "narrowcast," it uses the  
18 term consistent with its ordinary meaning:

19 This display may be a "narrowcasting" to a customer based upon his matching  
20 priorities, available digital information resources (e.g., repository, property, etc.)  
and associated, available classification information.

21 '181 Patent 8:15-19.

22 The PCT publication discloses the narrowcasting of digital information. For  
23 example, it provides for the administering of an SAT examination to students at various schools  
24 or testing sites. PCT at 913. The example discloses narrowcasting functionality, in that the SAT  
25

26  
27 <sup>5</sup> The referenced pages of the Computer Desktop Encyclopedia are attached as Exhibit C to the  
28 Declaration of Sam O'Rourke.



1 test to be administered (data) is transmitted to the particular schools or "test sites" (selected  
2 individuals) administering the exam. *Id.* Specifically, the PCT publication states:

3 A scheduled SAT examination for high school seniors is prepared by the  
4 Educational Testing Service. The examination is placed in a VDE container for  
5 scheduled release on November 15, 1994 at 1:00 PM Eastern Standard time.  
6 The SAT prepares one copy of the container for each school or other location  
7 which will conduct the examination. The school or other location ("test site")  
8 will be provided with a distributed examination container securely containing  
9 the VDE identification for the "administration" electronic appliance and/or test  
10 administrator at the test site (such as, a testing organization) and a budget  
11 enabling, for example, the creation of 200 test VDE content containers.

12 *Id.*<sup>6</sup>

13 Thus, the PCT publication discloses the narrowcasting aspect of the preamble of  
14 claim 91 of the '181 patent.

15 2. Claim 91 – Element (a)

16 Claim 17 Language	18 (a) receiving selected digital information in a secure container at a receiving 19 appliance remote from a sending appliance, the receiving appliance having 20 a secure node, the receiving appliance being associated with a receiving 21 entity;
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22 This element can be separated into six unique requirements, each of which is  
23 disclosed by the PCT publication.

24 a. The PCT publication discloses a receiving appliance that  
25 receives information from a remote sending appliance

26 Claim 91, element (a) requires a receiving appliance to receive information from a  
27 remote sending appliance. The term "appliance" is referenced in the specification of the '181  
28 patent as follows:

Such electronic interactions supported by the Distributed Commerce Utility  
may, for example, entail the broadest range of appliances and distribution  
media, non-limiting examples of which include networks and other  
communications channels, consumer appliances, computers, convergent  
devices such as WebTV, and optical media such as CD-ROM and DVD in  
all their current and future forms.

<sup>6</sup> Additional examples from the PCT publication include law firms using "VDE" to selectively  
distribute documents, including filing briefs electronically with the courts; VDE trial subscriptions for a  
newspaper; and automated tax collection, such as sales tax, using VDE. PCT at pp. 792-800, 610, and  
690-91. The SAT example is simply illustrative.

1 '181 Patent 35:25-31 (emphasis in quoted text has been added unless otherwise noted). Although  
2 the scope of the term "appliance" has not been determined by the Court, any construction would  
3 certainly encompass the disclosure of the PCT publication, which states:

4       Electronic appliance 600 may be practically any kind of electrical or electronic  
5       device, such as:

6               a computer  
7               a T.V. "set top" control box  
8               a pager  
9               a telephone  
10              a sound system  
11              a video reproduction system  
12              a video game player  
13              a "smart" credit card

14 PCT at 180. The PCT publication discloses a system whereby the appliance at each school or  
15 testing site designated to administer the SAT test (receiving appliances) electronically receives an  
16 SAT test from an Educational Testing Service appliance (sending appliance). PCT at 913. The  
17 PCT publication specifically discloses a receiving appliance as follows:

18       The examination is placed in a VDE container for scheduled release . . . The  
19       SAT prepares one copy of the container for each school or other location which  
20       will conduct the examination. The school or other location ("test site") will be  
21       provided with a distributed examination container securely containing the VDE  
22       identification for the 'administration' electronic appliance . . .

23 *Id.* A sending appliance is also disclosed. The above-quoted passage states that a "VDE  
24 container" is used for distribution. Creation of VDE protected objects (*i.e.* the "VDE container"  
25 containing the SAT test) requires the use of a VDE appliance. PCT at 180, 189.

26               **b.   The PCT publication discloses a sending appliance located**  
27               **"remotely" from the receiving appliance**

28       Element (a) requires the sending appliance to be located "remotely" from the  
receiving appliance. One ordinary and customary meaning of the term "remote" in computer  
science is:

1 Located at a distance from another computer that is accessible by cables or other  
2 communications links: *a remote terminal*.

3 Dictionary.com Computer Science Dictionary (2004).<sup>8</sup> Use of the term "remote" in the '181  
4 specification is consistent with this ordinary meaning:

5 distribution using VDE that may package both the electronic content and control  
6 information into the same VDE container, and/or may involve the delivery to  
7 an end-user site of different pieces of the same VDE managed property  
8 from plural separate remote locations and/or in plural separate VDE content  
9 containers and/or employing plural different delivery means;

10 '181 Patent 26:64-27:3.

11 The PCT publication discloses a system where an:

12 **Appliance 600 may communicate with the outside world through any of the  
13 connections/devices normally used within an electronic appliance. The  
14 connections/devices shown along the bottom of the drawing are examples: a  
15 "modem" 618 or other telecommunications link; . . . a "cable" 628  
16 connecting the appliance with a "network"**

17 PCT at 180-81. The fact that the Educational Testing Service is at a different location than the  
18 multiple testing sites, coupled with the statement that appliances may be connected by modem,  
19 cable or other telecommunications link, is a disclosure that the Educational Testing Service  
20 (sending appliance) is located remotely from the testing sites (receiving appliances).

21 c. **The PCT publication discloses the transmission of "digital  
22 information"**

23 Claim element (a) requires the information sent and received to be "digital  
24 information." The PCT publication discloses an example of a system for the electronic  
25 distribution and administration of an SAT exam where data is transferred in digital form, as the  
26 test is placed in a VDE container. PCT at 913. All data in a computer is by necessity in digital  
27 form.

28 <sup>7</sup> See also "remote node" – "A remote user or workstation. Access to the company LAN is made  
via POTS or ISDN modem to a connection at the remote access server". Computer Desktop Encyclopedia  
at 836.

<sup>8</sup> The referenced pages of the Dictionary.com Computer Science Dictionary (2004) are attached as  
Exhibit D to the Declaration of Sam O'Rourke.

1 d. The PCT publication discloses the transmission of digital  
2 information in a "secure container"

3 Element (a) requires digital information to be transferred in a "secure container."  
4 "Secure container" has been construed by the Court to mean, "A container (defined *supra*) that is  
5 secure (define *supra*)." The Court construed "contain" to mean:

6 To have within or hold. In the context of an element contained within a data  
7 structure (e.g. a secure container), the contained element may be either directly  
8 within the container or the container may hold a reference indicating where the  
9 element may be found.

9 Order Denying Motion for Partial Summary Judgment and Construing "Mini-Markman Claims"  
10 ("Markman Order"), July 3, 2003 (Docket #338), p.33

11 The Court has construed "secure" to mean:

12 One or more mechanisms are employed that (whether alone or in conjunction  
13 with one or more other mechanisms) prevent or discourage misuse of or  
14 interference with information or processes, or that detect misuse of or  
15 interference with information or processes for the purpose of discouraging  
16 and/or avoiding harm. Such mechanisms may include concealment, tamper  
17 resistance (defined *infra*), authentication (i.e. identifying (e.g., a person, device,  
18 organization, document, file, etc.)), and access control. Concealment means  
19 that it is difficult to read information (e.g., programs may be encrypted).  
20 Tamper resistance and authentication are defined separately. Access control  
21 means that access to information or processes is limited on the basis of  
22 authorization. Security is not absolute.

18 "Securely" means: "In a secure (defined *supra*) manner.

19 Markman Order at p. 48.

20 The PCT publication states that:

21 The school or other location ("test site") will be provided with a distributed  
22 examination container securely containing the VDE identification for the  
23 "administration" electronic appliance and/or test administrator at the test  
24 site . . . and a budget enabling, for example, the creation of 200 VDE  
25 content containers.

24 PCT at 913. It further states that:

25 . . . proper use of VDE 100 for the testing process can prevent improper  
26 access to test contents prior to testing . . .

27 PCT at 916. Thus, the VDE container is an example of a "secure" "container" as those terms  
28 have been construed by the Court.

1 e. The PCT publication discloses a “secure node” at the receiving  
2 appliance

3 Element (a) recites a “secure node” at the receiving appliance. The Court’s  
4 construction of “secure” is recited above. A node has the following ordinary meaning in  
5 computer science:

6 In communications, a node is a network junction or connection point. For  
7 example, a personal computer in a LAN is a node. A terminal connected to a  
minicomputer or mainframe is a node.

8 Computer Desktop Encyclopedia at 674. Thus, a “secure node” includes a computer or terminal  
9 that prevents, discourages or detects misuse or interference with processes or information for the  
10 purpose of avoiding harm. Although the ’181 specification does not define the term “secure  
11 node,” it uses the term consistently with the ordinary meaning of the term:

12 Referring again to FIG. 47A, each customer appliance 2052 may have a VDE  
13 secure node installation 2054 incorporating a protected processing  
environment 154, as described in ‘Ginter et al’, and messaging services  
14 software 2058 that manages communications with other appliances.

15 ’181 Patent 56:18-22.<sup>9</sup>

16 The PCT publication discloses the user appliance as a “secure” node. In the case  
17 of the SAT testing example, the user appliance is the “‘administration’ electronic appliance” used  
18 for receiving the “VDE container” containing the examination and rules and controls governing  
19 its use. PCT at 913. As stated in the PCT publication, each such electronic appliance (node) may  
20 include a “Secure Processing Unit” or “SPU” (hence, “secure” node):

21 Each VDE node or other electronic appliance 600 in the preferred  
22 embodiment may include one or more SPUs 500 [Secure Processing Units].  
23 SPUs 500 may be used to perform all secure processing for VDE 100. For  
24 example, SPU 500 is used for decrypting (or otherwise unsecuring) VDE  
projected objects 300. . . . SPU 500 may also perform secure data  
management processes including governing usage of, auditing of, and where  
appropriate, payment for VDE objects 300.

25 PCT at 189-190. It also states:

26 \_\_\_\_\_  
27 <sup>9</sup> “Ginter et al.” refers to U.S. Pat. No. 5,892,900, issued Apr. 6, 1999, for “Systems And Methods For  
28 Secure Transaction Management And Electronic Rights Protection,” which is also asserted in the present  
action.

1 ... an SPU 500 may be implemented as a single integrated circuit "chip" 505 to  
2 provide a secure processing environment in which confidential and/or  
3 commercially valuable information can be safely processed, encrypted  
and/or decrypted.

4 PCT at 190. Thus, the PCT publication discloses a "secure node" – the "administration"  
5 electronic appliance" containing an SPU.

6 f. The PCT publication discloses a system where the receiving  
7 appliance is associated with a receiving entity

8 The final requirement of element (a) is the "receiving appliance being associated  
9 with a receiving entity." The PCT publication discloses a system where each test site is  
10 associated with an "administration" electronic appliance:

11 The SAT prepares one copy of the container for each school or other location  
12 which will conduct the examination. The school or other location ("test  
13 site") will be provided with a distributed examination container securely  
14 containing the VDE identification for the "administration" electronic  
appliance and/or test administrator at the test site (such as a testing  
organization) and a budget enabling, for example, the creation of 200 test VDE  
content containers.

15 PCT at 913. For a number of reasons, including the need to delineate the number of tests to be  
16 distributed to test takers at each particular site, each test site is associated with an  
17 "'administration' electronic appliance."

18 For the foregoing reasons, the PCT publication discloses all requirements of  
19 element (a) of claim 91.

20 3. Claim 91 – Element (a)(i)

21 Claim	(i) the digital information having been selected at least in part based on the
22 Language	digital information's membership in a first class,

23 This limitation requires the digital information referred to in element (a) to be  
24 selected at least in part based upon its membership in a first class. For example, the '181  
25 specification provides:

26 Of particular importance is the notion of classes of content . . . For example, the  
27 present inventions can make use of . . . topical identification, for example, such  
28 as information represented in typical library subject and/or author and/or catalog  
and/or keyword search and retrieval information systems . . . any information

1 descriptive of an available resource (which may include any information,  
2 product, and/or service, whether available in electronic and/or physical forms)  
3 such as: the quality of a digital product as evaluated and ranked and/or  
4 otherwise specified by one or more third parties and/or independent third  
5 parties . . . .

6 '181 Patent 14:35-55.

7 As discussed above, the PCT publication discloses a system, which by way of  
8 example, can be used to electronically distribute an SAT test to selected testing sites. In the  
9 testing example, the distributed information is a particular examination to be given on a specific  
10 date at a specific time – “November 15, 1994 at 1:00 PM Eastern Standard time.” PCT at 913.  
11 Thus, the specific electronic SAT test (digital information) sent to the designated testing sites has  
12 been selected at least in part based on the test’s membership in a first class (the particular SAT  
13 test to be released to testing sites on November 15, 1994 at 1:00 PM Eastern Standard time). The  
14 PCT publication provides several other examples of testing scenarios where the tests (digital  
15 information) are selected based upon their membership in a particular class:

16 VDE assisted testing may, of course, be employed for many different  
17 applications including secure identification of individuals for  
18 security/authentication purposes, for employment (e.g. applying for jobs)  
19 applications, and for a full range of evaluation testing. For example, an airline  
20 pilot, or a truck, train, or bus driver might take a test immediately prior to  
21 departure or during travel, with the test evaluating alertness to test for fatigue,  
22 drug use, etc. A certain test may have a different order and/or combination of  
23 test activities each time, or each group of times, the test is taken.

24 PCT at 916. In each of these circumstances, the digital information or content of the particular  
25 test will be classified based upon its appropriateness to the test takers, the particular venue, date  
26 and time of examination, and potentially a host of other factors.

27 Accordingly, the PCT publication discloses a system where the digital information  
28 is selected at least in part based on the digital information’s membership in a first class.

4. Claim 91 – Element (a)(ii)

25 Claim	(ii) the first class membership having been determined at least in part using
26 Language	rights management information;

27 As recited in element (a)(ii), membership in the “first class” is determined at least  
28 in part based upon rights management information. According to the specification of the ‘181

1 patent, "[r]ights management information may include electronic rules and/or their  
2 consequences." '181 Patent 11:23-25. Referring again to the testing scenario disclosed in the  
3 PCT publication, the particular test to be distributed (first class membership) is determined at  
4 least in part using rights management information, including any one or more of the following  
5 electronic rules and /or consequences, 1) the subject matter of the test, 2) the order of the test  
6 questions, 3) which test questions are presented, and/or 4) timing-related variables such as the  
7 precise starting, duration and stopping times of the examination. PCT at 916-17.

8 These examples disclose the use of "rights management information" to determine  
9 the digital information's membership in a first class.

10 **5. Claim 91 – Element (b)**

11 <b>Claim</b>	<b>(b) the receiving entity having been selected at least in part based on said</b>
12 <b>Language</b>	<b>receiving entity's membership in a second class,</b>

13 Element (b) requires the receiving entity to be selected at least in part based on its  
14 membership in a second class. The PCT publication's testing example discloses the distribution  
15 of a particular SAT examination to a selected class of test sites:

16 A scheduled SAT examination for high school seniors is prepared by the  
17 Educational Testing Service. The examination is placed in a VDE container for  
18 scheduled release on November 15, 1994 at 1:00 PM Eastern Standard  
19 time. The SAT prepares one copy of the container for each school or other  
20 location which will conduct the examination. The school or other location  
21 ("test site") will be provided with a distributed examination container  
22 securely containing the VDE identification for the "administration"  
23 electronic appliance and/or test administrator at the test site . . .

24 PCT at 913. Thus, this passage discloses the requirements of claim 91, element (b) - a particular  
25 SAT test is distributed to each test site (receiving entity) that will be administering the SAT on  
26 November 15, 1994 at 1:00 PM Eastern Standard time (receiving entity's membership in a second  
27 class).

28 **6. Claim 91 – Element (b)(i)**

29 <b>Claim</b>	<b>(i) the second class membership having been determined at least in part on</b>
30 <b>Language</b>	<b>the basis of information derived from the recipient entity's creation, use of,</b>
	<b>or interaction with rights management information;</b>



1 As explained above in the analysis of element (b), selected test sites are members  
2 of a second class – the class of test sites administering the SAT examination at a particular time  
3 and date. Element (b)(i) requires the second class membership to be determined at least in part on  
4 the basis of information derived from the recipient entity's creation, use of, or interaction with  
5 rights management information. The specification of the '181 patent provides numerous  
6 examples of types of "rights management information" that may be used for classification  
7 purposes:

8 Rights management information may be directly or indirectly inputted to the  
9 matching, classification and/or selection process. . . The following are  
10 examples of such information that may be provided based, for example, on rules  
11 and consequences . . . user questionnaires . . . audit trail related information . . .  
12 aggregated usage data . . . information measuring or otherwise related to  
13 institutional behavior; information measuring or otherwise related to  
14 institutional preferences; information measuring or otherwise related to  
15 institutional culture . . .

16 '181 Patent 18:65–19:39.

17 As required by this claim element, the membership in the class of test sites is  
18 determined on the basis of information derived from the test site's interaction with rights  
19 management information. For example, sites are determined to be members of a class receiving a  
20 particular SAT test based upon whether or not that site is scheduled or permitted to administer the  
21 exam at a designated date and time. PCT at 913. Sites may also be selected based on content of  
22 an examination, *i.e.* whether it is an SAT test (where the site might be a high school) or a test  
23 designed for "an airline pilot, or a truck, train, or bus driver," where the test site might be the  
24 appropriate workplace. PCT at 916. In addition, membership in the second class is determined  
25 from the use of VDE identifications, which also is rights management information. The PCT  
26 publication states:

27 The school or other location ("test site") will be provided with a distributed  
28 examination container securely containing the VDE identification for the  
"administration" electronic appliance and/or test administrator at the test  
site (such as a testing organization) . . .

PCT at 913.

1           Thus, the PCT publication discloses a process whereby the second class  
2 membership (administering test sites) is determined at least in part on the basis of information  
3 derived from the recipient entity's creation, use of, or interaction with rights management  
4 information (test type, date, time, etc.).

5           7.     Claim 91 – Element (c)

6 <b>Claim</b>	<b>(c) receiving at the receiving appliance rules and controls in a secure</b>
7 <b>Language</b>	

8           Element (c) requires rules and controls to be received in a secure container at the  
9 receiving appliance. The term "controls" has been construed by the Court to mean:

10           "Information and/or programming controlling operations on or use of resources  
11 (e.g., content) including (a) permitted, required, or prevented operations, (b) the  
nature or extent of such operations, or (c) the consequences of such operations."

12     Markman Order at p. 36. The term "rules" has not been construed, but in the "mini" Markman  
13 proceedings, InterTrust argued that "rules and controls" are equated with "control information" in  
14 the Big Book ('107) application, and that the terms "rule" and "control" are "synonymous."  
15 InterTrust's Opening Claim Construction Brief at 17-19 (Docket #225).

16           The PCT publication discloses process in which rules and controls are packaged in  
17 a secure VDE container. For example:

18           The examination is placed in a **VDE container for scheduled release on**  
19 **November 15, 1994 at 1:00 PM Eastern Standard time.** The SAT prepares  
20 one copy of the container for each school or other location which will conduct  
the examination. The school or other location ("test site") will be provided with  
21 a **distributed examination container securely containing the VDE**  
**identification for the "administration" electronic appliance and/or test**  
22 **administrator at the test site (such as, a testing organization) and a budget**  
enabling, for example, the creation of 200 test VDE content containers. Each  
23 container created at the test site may have a **permissions record** containing  
secure identification information for each electronic appliance 600, on the test  
24 site's network, that will be used by a test taker, as well as, for example, an  
identification for the student who will take the test.

25     PCT at 913. These passages disclose receiving at the receiving appliance (receipt by test sites)  
26 rules and controls (release time, identification requirements, budget) in a secure container  
27 ("VDE" or "examination" container), as recited in element (c) of claim 91.

1                   8.     Claim 91 – Element (c)(i)

2     

Claim	(i) the rules and controls having been associated with the selected digital
Language	information; and

3  
4             Element (c)(i) calls for rules and controls received by the receiving entity to be  
5 associated with selected digital information. As explained in the previous section, the PCT  
6 publication discloses a process in which an SAT test is packaged into a “secure container” also  
7 containing rules and controls (release time, identification requirements, budget) governing access  
8 and distribution of the examination. PCT at 913. The fact that these rules and controls are  
9 packaged with, and govern the use of, the test contained in the same secure VDE container,  
10 demonstrates that the rules and controls contemplated in the PCT publication are “associated with  
11 the selected digital information.” Accordingly, the PCT publication discloses claim 91 element  
12 (c)(i).

13                   9.     Claim 91 – Element (d)

14     

Claim	(d) using at the receiving appliance the selected digital information in
Language	accordance with the rules and controls,

15  
16             Element (d) of Claim 91 requires the receiving appliance to use selected digital  
17 information in accordance with “rules and controls.” As stated above in section III(A)(8), test  
18 sites receive a VDE container encapsulating rules and controls including, for example, a budget.  
19 This budget sets forth the number of “VDE content containers” that may be produced and  
20 distributed to the test-taking students:

21             The school or other location (“test site”) will be provided with a **distributed**  
22 **examination container** securely containing the VDE identification for the  
23 “administration” electronic appliance and/or test administrator at the test site  
(such as, a testing organization) and a **budget enabling, for example, the**  
**creation of 200 test VDE content containers.**

24 PCT at 913. The “administration” electronic appliance and/or test administrator at the test site”  
25 then creates the number of “test VDE content containers” permitted by the “budget.” *Id.*

26             Thus, the PCT publication discloses a receiving appliance (test site) that uses  
27 (creates VDE content containers) the selected digital information (particular test distributed by  
28

1 the Educational Testing Service) in accordance with the rules and controls (e.g. a budget); as  
2 recited in element (d) of claim 91.

3 10. Claim 91 – Element (d)(i)

4 Claim Language	(i) the rules and controls being enforced by the receiving appliance secure node.
------------------	---

6 The final element of claim 91 requires the secure node of the receiving appliance  
7 to enforce the rules and controls associated with the digital information. As explained in  
8 Section III(A)(2), the PCT publication discloses an “administration’ electronic appliance” used  
9 for receiving the “VDE container” containing the examination and rules governing its use. PCT  
10 at 913. This electronic appliance enforces the rules and controls associated with the SAT test, as  
11 detailed in the PCT publication’s lengthy discussion elaborating on the attributes of such “VDE  
12 Electronic Appliance[s],” which contain Secure Processing Units. PCT at 180-194. The PCT  
13 publication states:

14 **Each VDE node or other electronic appliance 600 in the preferred**  
15 **embodiment may include one or more SPUs 500. SPUs 500 may be used to**  
16 **perform all secure processing for VDE 100. . . . It is also used for managing**  
17 **encrypted and/or otherwise secured communication . . . SPU 500 may also**  
18 **perform secure data management including governing usage of . . . VDE**  
19 **objects . . .**

20 PCT at 189-190.

21 Thus, the PCT publication discloses a method where rules and controls (i.e. release  
22 time, identification requirements, budget. etc.) are enforced by the receiving appliance  
23 (administration electronic appliance) secure node (having a SPU).

24 B. The PCT Publication Anticipates All Asserted Claims Dependent Upon Claim  
25 91 of the ‘181 Patent.

26 Claims 104, 114 and 131 are dependent upon claim 91. Claim 117 is dependent  
27 upon claim 114, which in turn, is dependent upon claim 91. As detailed *supra* Sections III(A)(1)-  
28 (10), all the elements of claim 91 are present and disclosed in the PCT publication. The PCT  
publication, as demonstrated in the following sections, also anticipates all claims that depend  
upon claim 91.

1                                    1.     Dependent Claim 104

2     

Claim	104. The method of claim 91 wherein said received selected digital
Language	information includes entertainment information.

3  
4                                    As explained in Section III(A)(2) with regard to element (a) of claim 91, the PCT  
5 publication discloses a process in which a server transfers "selected digital information" to a  
6 receiving appliance. Dependent claim 104 calls for this "selected digital information" to include  
7 "entertainment information." The ordinary meaning of "entertainment" is "something diverting  
8 or engaging." *Merriam-Webster's Collegiate Dictionary, Tenth Edition* (1999).<sup>10</sup> The '181  
9 specification fails to define or indicate what the term "entertainment information" refers to and,  
10 therefore, does not contradict the ordinary meaning of the term.

11                                    The PCT publication contemplates the delivery of digital entertainment  
12 information to end users. It discloses that a sending appliance may distribute all varieties of  
13 digital information, which are listed in a "repository content catalog." PCT at 839. Such digital  
14 information may include "lists of publications, software, games, movies, etc." *Id.* Software,  
15 games and movies fit within even the narrowest construction of the term "entertainment  
16 information." Moreover, the PCT publication discloses that any type of electronic information  
17 may be distributed in VDE containers:

18                                    Figure 20 shows an example of a VDE content object structure 880. Generally,  
19 content objects 880 include or provide information content. This 'content' may  
20 be any sort of electronic information. For example, content may include  
21 computer software, movies, books, music, . . . multimedia information,  
22 virtual reality information . . .

23 PCT at 407-408. Various examples of information recited in this passage could be included in the  
24 category of "entertainment information." Categories such as movies, books and music most  
25 certainly fit any definition of entertainment information. Therefore, the PCT publication  
26 anticipates claim 104, as it discloses all the elements of claim 91, as well as end user receipt of  
27 "entertainment information."

28                                    <sup>10</sup> *Merriam-Webster's Collegiate Dictionary, Tenth Edition* (1999) attached as Exhibit E to the Declaration  
of Sam O'Rourke.

2. Dependent Claim 114

Claim Language	114. The method of claim 91 wherein said rules and controls specify at least one clearinghouse acceptable to rightsholders.
----------------	---

Claim 114 calls for rules and controls, as detailed *supra* Section III(A)(7) with regard to element (c) of claim 91, specifying "at least one clearinghouse acceptable to rightsholders." The term "clearinghouse" has been construed by the Court to mean:

A provider of financial and/or administrative services for a number of entities; or an entity responsible for collection, maintenance, and/or distribution of materials, information, license, etc.

Markman Order at p. 21. The PCT publication discloses a number of different varieties of clearinghouses:

... a VDE repository may perform audit information clearinghouse services on behalf of VDE creators or other participants (e.g. distributors, redistributors, client administrators, etc.) for usage information reported by VDE users. Such services may include analyzing such usage information, creating reports, collecting payments, etc.

PCT at 817. It also provides for clearinghouses that are acceptable to rightsholders:

A "full service" VDE repository may be very attractive to both providers and users of VDE managed content. Providers of VDE managed content may desire to place their content in a location that is well known to users, offers credit, and/or performs audit services for them.

*Id.* Accordingly, the PCT publication anticipates claim 114 of the '181 patent, as it discloses all elements of the claim.

3. Dependent Claim 117

Claim Language	117. The method of claim 114 wherein said at least one acceptable clearinghouse is a rights and permissions clearinghouse.
----------------	--

As set forth in Section III(B)(2) *supra*, the PCT publication discloses a number of different varieties of clearinghouse. Among them are clearinghouses which provide rights and permissions services:

The clearinghouse system 3302B is comprised of a user/author registration system 3338, template libraries 3340; a control structure library 3342; a disbursement system 3344; an authorization system 3346 comprised of a financial system 3348 and a content system 3350 ...

1 PCT at 821-22. Features such as “a control structure library,” “a disbursement system,” “an  
2 authorization system” and “a content system” are all components of a clearinghouse that  
3 distributes, authorizes and governs the use of content. This describes the functionality of a rights  
4 and permissions clearinghouse. Accordingly, because the PCT publication discloses all elements  
5 of claims 91 and 114 (upon which claim 117 depends), as well as the additional element of claim  
6 117, the PCT publication anticipates claim 117 of the ‘181 patent.

7 **4. Dependent Claim 131**

8 <b>Claim</b>	<b>131. The method of claim 91 wherein said receiving appliance is a personal</b>
9 <b>Language</b>	<b>computer.</b>

10 In addition to all the elements of claim 91, claim 131 requires that the receiving  
11 appliance, discussed *supra* Section III(A)(2), be a personal computer. One ordinary meaning of a  
12 “personal computer” is:

13         Synonymous with “microcomputer,” “desktop computer,” and “laptop  
14         computer,” it is a computer that serves one user in the office or home.

15 Computer Desktop Encyclopedia at 751. The PCT publication specifically discloses a system  
16 where the receiving appliance is a computer:

17         Electronic appliance 600 may be practically any kind of electrical or electronic  
18         device, such as:

- 19                 o a computer

20 PCT at 180. Moreover, the PCT publication specifically discloses that the electronic appliance  
21 may be a “personal” computer, stating “if appliance 600 is a **personal computer** . . .”

22 PCT at 181. Thus, in addition to reading on all elements of claim 91 of the ‘181 patent, the PCT  
23 publication discloses a system where the receiving appliance is a personal computer, thereby  
24 anticipating claim 131.

1           **C.     The PCT Publication Anticipates Claim 48 Of The '181 Patent**

2           Claim 48 of the '181 patent is very similar to claim 91.<sup>11</sup> The substantive  
3 difference between these claims is that claim 91 requires a "secure container," whereas claim 48  
4 omits this requirement. The effect of this omission is to render claim 48 broader than claim 91.  
5 This omission also renders claim 48 more easily anticipated, because the anticipating reference  
6 need not disclose the use of a "secure container."

7           Practically, therefore, because claim 91 is anticipated by the PCT publication,  
8 claim 48 is as well. Rather than repeat the anticipation analysis set forth in Section III(A) *supra*  
9 for claim 48, the following is a chart setting forth the anticipation analyses that is applicable to  
10 each element of this claim:

11       48. A method for narrowcasting selected digital information to specified recipients,  
12 including: [Section III(A)(1)]

13       (a) at a receiving appliance, receiving selected digital information from a sending appliance  
14 remote from the receiving appliance, the receiving appliance having a secure node and being  
associated with a specified recipient; [Section III(A)(2)]

15       (i) the digital information having been selected at least in part based on the digital  
16 information's membership in a first class, [Section III(A)(3)] wherein the first class  
membership was determined at least in part using rights management information; and  
17 [Section III(A)(4)]

18       (ii) the specified recipient having been selected at least in part based on membership in a  
19 second class, [Section III(A)(5)] wherein the second class membership was determined at  
least in part on the basis of information derived from the specified recipient's creation, use of,  
20 or interaction with rights management information; and [Section III(A)(6)]

21       (b) the specified recipient using the receiving appliance to access the received selected digital  
22 information in accordance with rules and controls, [Section III(A)(9)] associated with the  
selected digital information, [Section III(A)(8)] the rules and controls being enforced by the  
receiving appliance secure node. [Section III(A)(10)]

23           **D.     The PCT Publication Anticipates All Asserted Claims Dependent Upon Claim**  
24 **48 Of The '181 Patent**

25           Claims 59, 61, 63, 70, 72 and 89 are dependent upon claim 48. Claim 62 is  
26 dependent upon claim 61 and claim 75 is dependent upon claim 72. Thus both are also ultimately

27 <sup>11</sup> Non-substantively, claim 48 simply combines several of the elements recited in claim 91 into  
28 single elements.



1 dependent upon claim 48. As detailed in the chart *supra* Section III(C), all the elements of claim  
2 48 are present and disclosed in the PCT publication. The PCT publication, as demonstrated in the  
3 following sections, also anticipates all claims that depend upon claim 48.

4 1. Dependent Claim 59

5 Claim	59. The method of claim 48 wherein said received selected digital
6 Language	information is at least in part event information.

7 Claim 59 requires that selected digital information be at least in part "event  
8 information." The ordinary meaning of the term "event" is "something that happens:  
9 occurrence." *Merriam-Webster's Collegiate Dictionary, Tenth Edition* (1999). Thus, "event  
10 information" is simply information about something that happens. Although the '181 patent fails  
11 to define the term "event information," the plain meaning of the term is consistent with its use in  
12 the '181 specification:

13 Various ticket agencies 4506(1)-4506(n) may send **information about specific**  
14 **events 4512(1)-4512(n) and/or information about agency services 4514(1)-**  
15 **4514(n) to the matching and classification utility 900. In another example, an**  
**event promoter may send event information directly to the matching and**  
**classification utility 900.**

16 '181 Patent 80:52-57.

17 The testing example of the PCT publication discloses a test site receiving, in a  
18 secure container, information regarding an SAT test. This SAT testing information includes  
19 information regarding the date and time of the test:

20 A **scheduled SAT examination for high school seniors is prepared by the**  
21 **Educational Testing Service. The examination is placed in a VDE container for**  
22 **scheduled release on November 15, 1994 at 1:00 PM Eastern Standard**  
**time. The SAT prepares one copy of the container for each school or other**  
**location which will conduct the examination.**

23 PCT at 913. The PCT publication also discloses other timing related variables:

24 Electronic testing employing VDE 100 may also ensure that timing related  
25 variables of testing (for example **precise starting, duration, and stopping**  
**times**) can be reliably managed.

26 PCT at 916. Thus, the received selected digital information (VDE container encapsulating the  
27 exam and rules and controls) is at least in part event information (information regarding the  
28 release date, timing and schedule of the SAT examination), thereby anticipating claim 59.

1                   2.       Dependent Claim 61

2       

Claim	61. The method of claim 48 wherein said received selected digital
Language	information is at least in part entertainment information.

3  
4                   Claim 61 is anticipated because the PCT publication discloses all elements of  
5 claim 48 (as demonstrated in Section III(C)), as well as the additional element recited in this  
6 claim (as demonstrated in Section III(B)(1)).

7                   3.       Dependent Claim 62

8       

Claim	62. The method of claim 61 wherein said entertainment information is at
Language	least in part music information.

9  
10                  As demonstrated in Section III(D)(2), the PCT publication anticipates claim 61.  
11 Claim 62 depends upon claim 61 and recites the additional element that the “entertainment  
12 information” of claim 61 is at least in part “music information.” The PCT publication specifically  
13 discloses that the digital information received by the receiving appliance can include “music”  
14 information:

15                  Figure 20 shows an example of a VDE content object structure 880. Generally,  
16 content objects 880 include or provide information content. This “content” may  
17 be any sort of electronic information. For example, content may include ...  
18 music ...

18 PCT at 407-08. Accordingly, claim 62 is anticipated by the PCT publication.

19                   4.       Dependent Claim 63

20       

Claim	63. The method of claim 48 wherein said received selected digital
Language	information is at least in part executable software.

21  
22                  Claim 63, which depends on claim 48, recites the additional element requiring the  
23 selected digital information to be at least in part “executable software.” The Court has construed  
24 the term “executable programming” to mean “A computer program that can run, directly or  
25 through interpretation.” See Order at p. 22 (Docket No. 338). The PCT publication discloses the  
26 transmission and reception of digital information that may include “executable software,” stating:

27                  Figure 20 shows an example of a VDE content object structure 880. Generally,  
28 content objects 880 include or provide information content. This “content” may

1 be any sort of electronic information. For example, content may include  
2 computer software . . .

3 PCT at 407-408. Thus, the PCT publication anticipates claim 63 of the '181 patent.

4 5. Dependent Claim 70

5 Claim	70. The method of claim 48 wherein said rules and controls at least in part
6 Language	govern usage audit record creation.

7 Claim 63, which depends on claim 48, recites the additional element wherein the  
8 rules and controls "at least in part govern usage audit record creation." The PCT publication  
9 discloses rules and controls that at least in part govern usage audit record creation in its SAT  
10 testing scenario:

11 . . . proper use of VDE 100 for the testing process can prevent improper access  
12 to test contents prior to testing and ensure that test taking is properly audited  
13 and authenticated, that is which person took which test, at which time, on  
14 which electronic appliance, at which location.

14 PCT at 916. Thus, the PCT publication anticipates claim 70 of the '181 patent.

15 6. Dependent Claim 72

16 Claim	72. The method of claim 48 wherein said rules and controls in part
17 Language	specifying at least one clearinghouse acceptable to rightsholders.

18 Claim 72 is anticipated because the PCT publication discloses all elements of  
19 claim 48 (as demonstrated in Section III(C)), as well as the additional element recited in this  
20 claim (as demonstrated in Section III(B)(2)).

21 7. Dependent Claim 75

22 Claim	75. The method of claim 72 wherein said at least one acceptable
23 Language	clearinghouse is a rights and permissions clearinghouse.

24 Claim 75 is anticipated because the PCT publication discloses all elements of  
25 claim 72 (as explained directly above in Section III(D)(6)), all elements of claim 48 (as  
26 demonstrated in Section III(C)), as well as the additional element recited in this claim (as  
27 demonstrated in Section III(B)(3)).

1                   8.     Dependent Claim 89

2     

Claim	89. The method of claim 48 wherein said receiving appliance is a personal
Language	computer.

3  
4             Claim 89 is anticipated because the PCT publication discloses all elements of  
5 claim 48 (as demonstrated in Section III(C)), as well as the additional element recited in this  
6 claim (as demonstrated in Section III(B)(4)).

7     IV.    CONCLUSION

8             For the forgoing reasons, Microsoft respectfully requests that the Court declare  
9 U.S. Patent No. 6,112,181 invalid as anticipated under 35 U.S.C. § 102(b) by the PCT publication  
10 published under International Publication Number WO 96/27155.

11     Dated: February 23, 2004

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